

FIG. 1

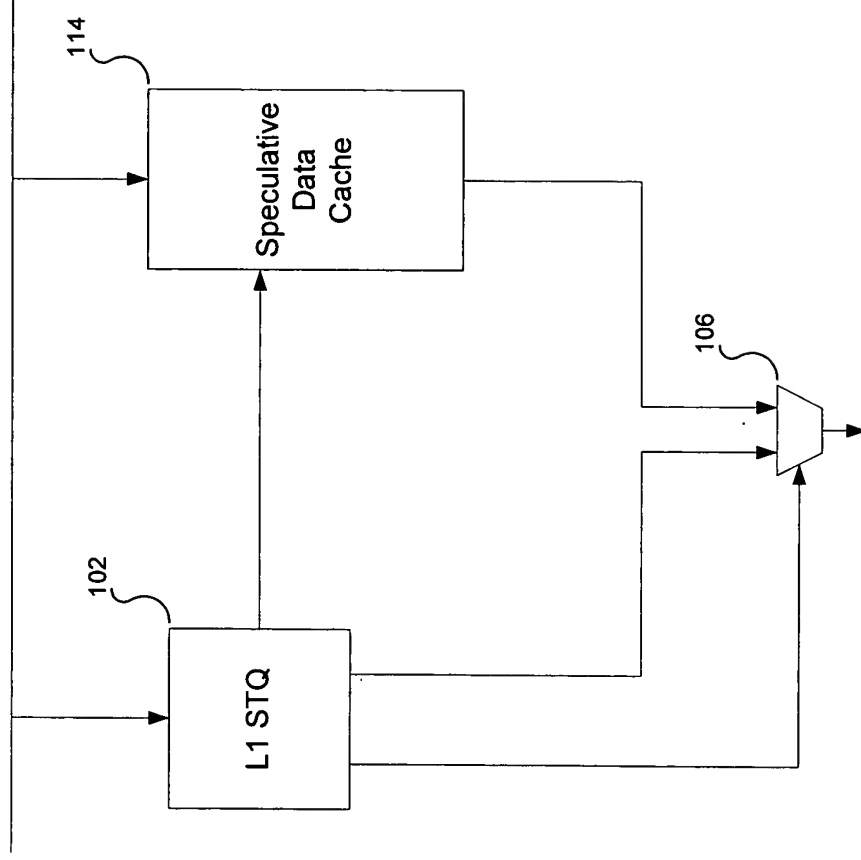


FIG. 2



FIG. 3

VALID	SPEC	VALID-SPEC	Description
0	X	X	Invalid
1	0	0	Valid & Committed
1	0	1	Unused
1	1	0	Invalid
1	1	1	Valid & Speculative

FIG. 4

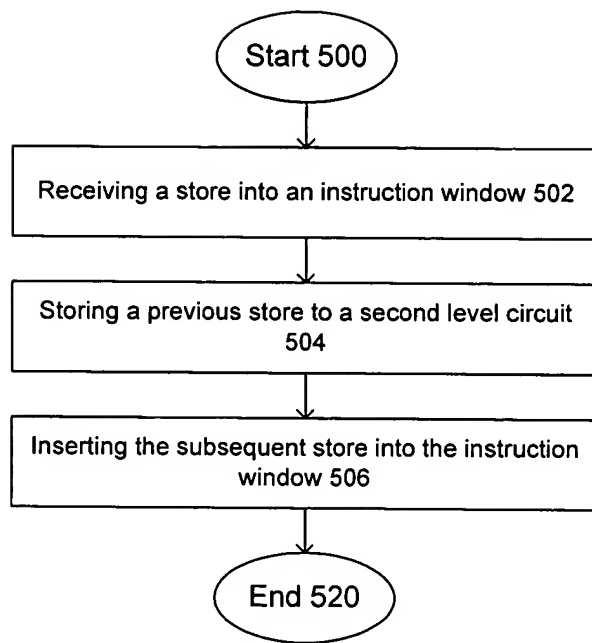


FIG. 5A

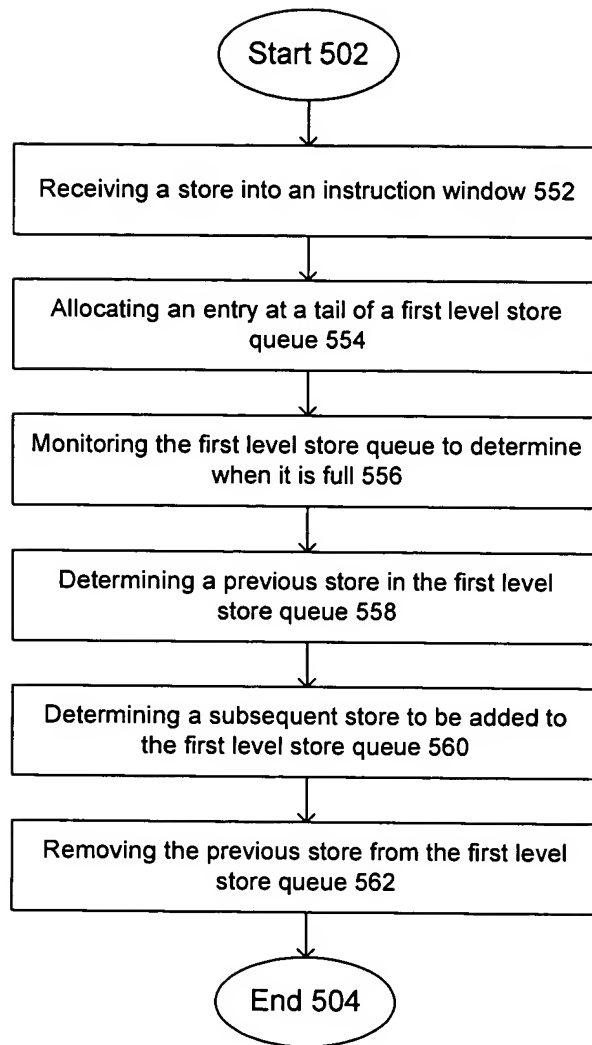


FIG. 5B

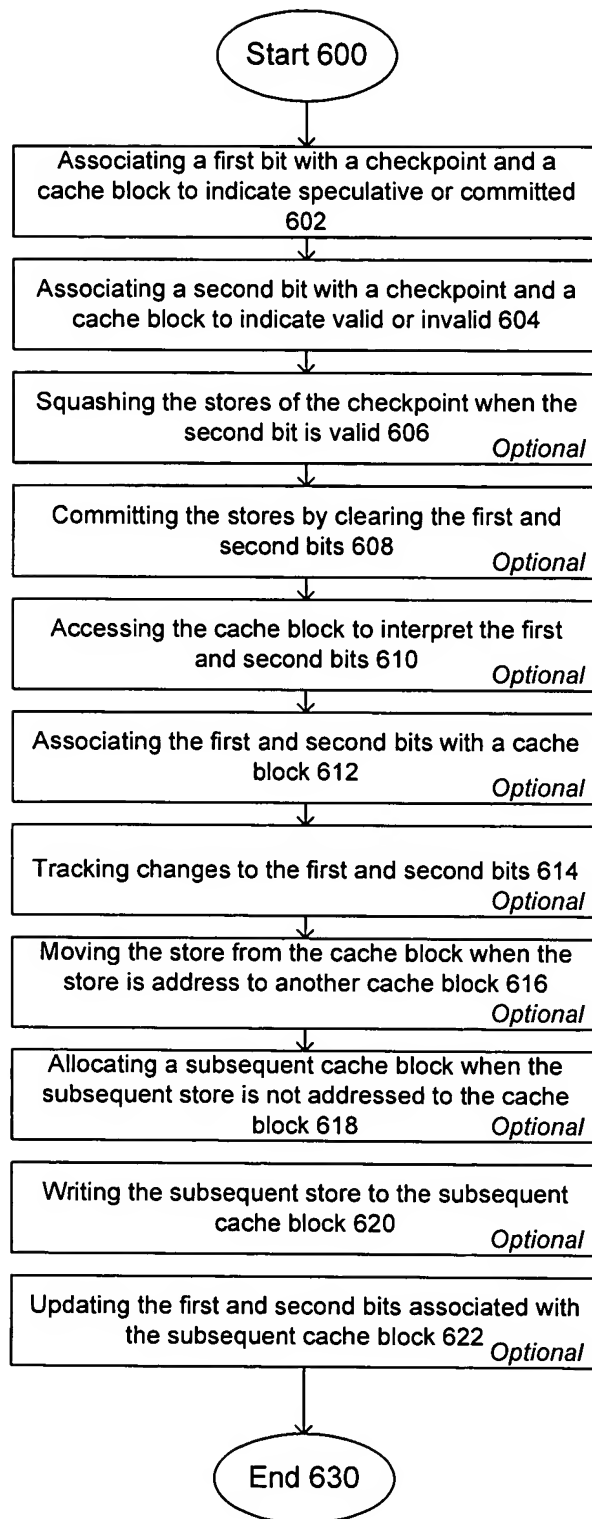


FIG. 6

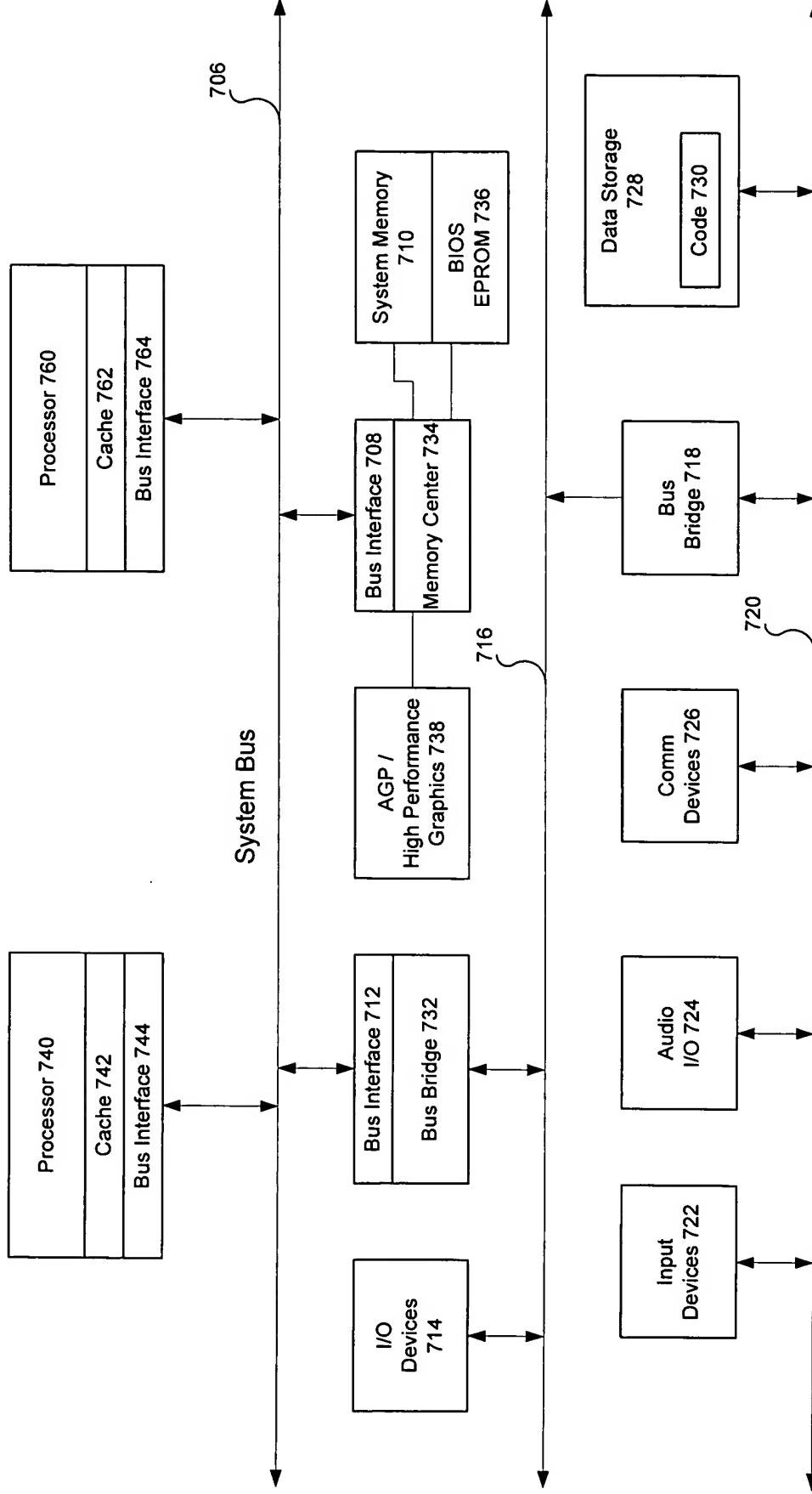


FIG. 7

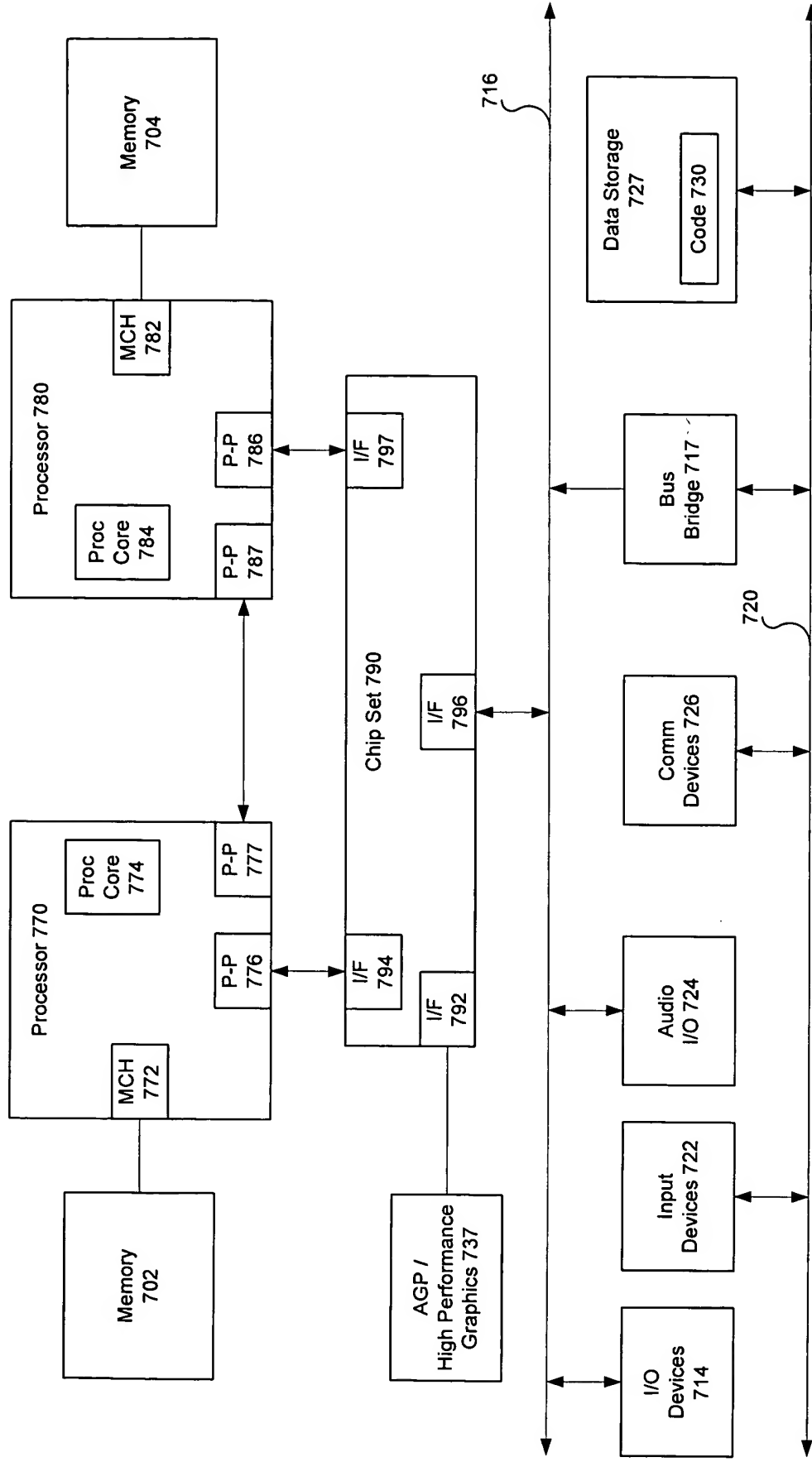


FIG. 8

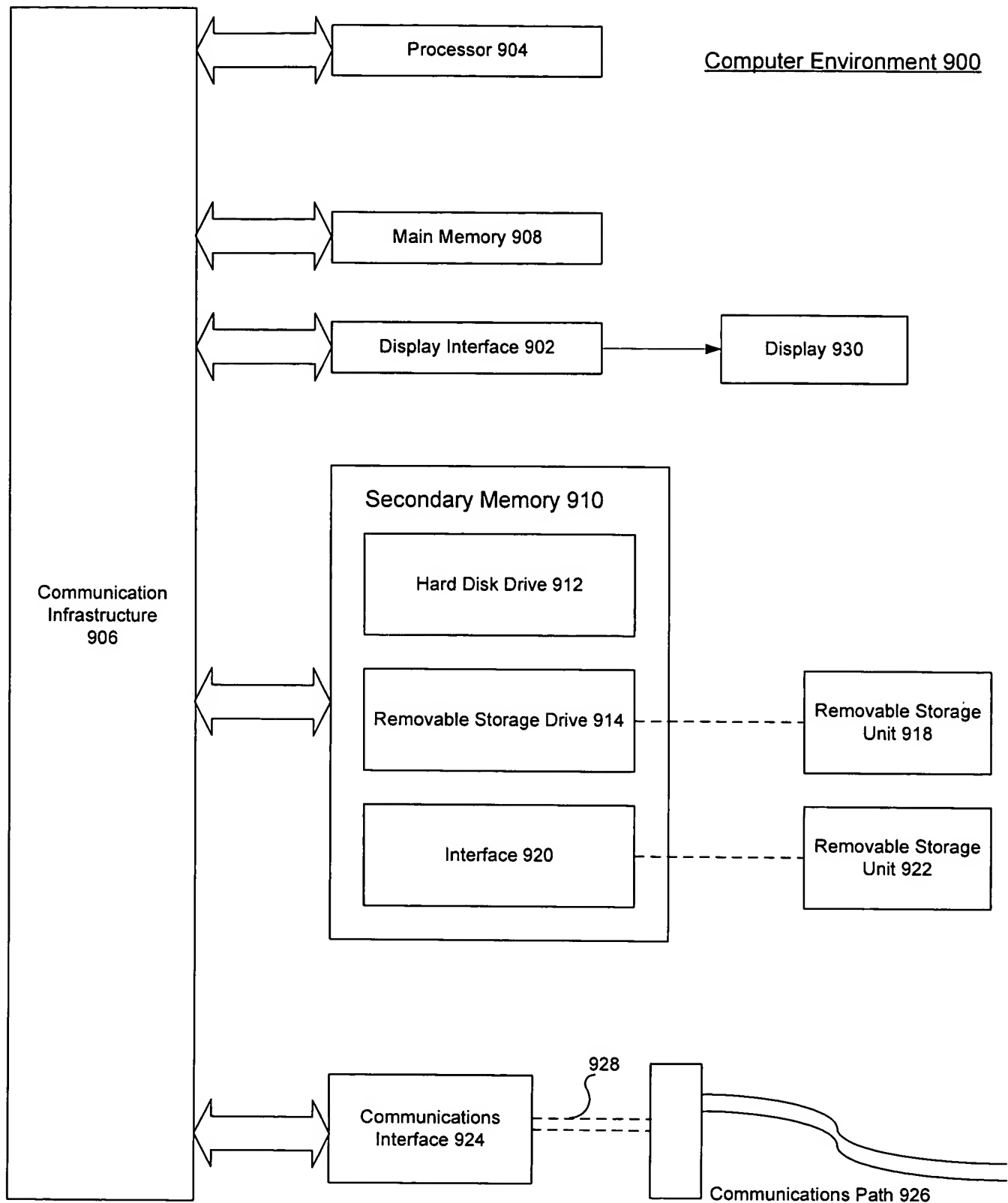


FIG. 9